

**The Primordial Explorer (PRIME)****Launch****Proposed Mission(s)****Launching: 9/15/2005****Ready by: N/A****Sponsor: NASA Code S****Last updated: 03/02/2005 at 12:00 AM by Clyde Woodall****The Primordial Explorer (PRIME) Launch Vehicle**

Vehicle Class: Delta II

Vehicle Configuration: 7320-10

Launching From: Vandenberg

**The Primordial Explorer (PRIME) Orbit Parameters**

	<b>Nominal</b>	<b>Min</b>	<b>Max</b>
Launch Date: 9/15/2005		9/15/2005	3/15/2006
Apogee altitude (km/nmi): 705/380.7		600/324.0	900/486.0
Perigee altitude (km/nmi): 705/380.7		600/324.0	900/486.0
Inclination (deg): 98.2		N/A	N/A
Argument of Perigee (deg): TBD		N/A	N/A
Ascending Node (AN) (deg): TBD		N/A	N/A
or Mean Local Time of the AN: N/A		N/A	N/A
Design Orbit Lifetime (years): TBD			
C3 (km <sup>2</sup> /s <sup>2</sup> ): N/A			
Geosynchronous Longitude (deg): TBD			
Daily launch window duration (min): TBD			
Launch window open/close (GMT): TBD			
Yearly/seasonal launch window: TBD			

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**The Primordial Explorer (PRIME) Launch Ride-Share Opportunity****Ride-share opportunity available**

Application Deadline: TBD

Need Date for Integration: TBD

Launch Vehicle: Delta II/7320-10

Allocated Mass (kg/lb): 740/1631.4

**Allocated Volume**

Length (m/in): N/A

Diameter (m/in): N/A

Mounting Dimensions: TBD

Mounting Location: Upper or Lower Position

Mechanical Interface: Using DPAF Configuration; allocated volume given for low

Electrical Interface: TBD

Power Available (W): TBD

Peak Power Available (W): TBD

Telemetry Rates Available: TBD

Separation Sequence: Either Payload First

Spinning Separation: TBD

Other Notes: TBD

**The Primordial Explorer (PRIME) Attitude Control**

Attitude Stabilization: TBD  
Pointing Control(arc seconds): TBD  
Pointing Stability(arc seconds): TBD  
Slew Rate(deg/sec): TBD  
Pointing Knowledge(arc seconds): TBD  
Pointing Modes: TBD

**The Primordial Explorer (PRIME) Command & Data Handling**

Download Rate: TBD  
Uplink Rate: TBD  
TTC Format: TBD  
Data Sample Rate: TBD  
Data Storage Capacity: TBD

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**The Primordial Explorer (PRIME) Other Mission Notes**

Budget Status: Partially Funded  
Program Schedule: Currently in Phase A  
Mission Home Page: TBD  
Other Miscellaneous Notes: TBD

**The Primordial Explorer (PRIME) Contact Information**

**Mission Contact (Prime)**

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**ATS Contact**

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